

Approved for use through 07/31/2003. OMB 0651-0032 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION			Attorney Docket No.		500.43115X00						
			First Inventor		IWAMITSU, KOJI						
		ANSMITTAL	Title		A STORAGE SYSTEM AND A METHOD FOR						
(Only for new n		al applications under 37 CFR 1.53(b))			DIAGNOSING FAILURE OF THE STORAGE SYSTEM						
			Express Mail Label No.		0						
SEE MPEF		PPLICATION ELEMENTS 0 concerning utility patent application c	ontents.	ADDRESS	Mail Stop Patent Application  ADDRESS TO:  Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450						
1. Fee	Transmittal	Form (e.g., PTO/SB/17) duplicate for fee processing)		7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)							
	licant claims 37 CFR 1.2	small entity status. 7.		8. Nucleotide and/or Amino Acid Sequence Submission  fit applicable, all necessary)  a. Computer Readable Form (CRF)							
	cification	[Total Pages: <b>47</b> ]	h Canadianation Convenue Listing on								
	red arrangement set to scriptive title	of the invention	i D CD-ROM or CD-R (2 copies); or								
-Cro	ss Referenc	e to Related Applications arding Fed sponsored R & D		ii 🗖 paper							
-Ref or a	ference to se computer p	equence listing, a table, rogram listing appendix	c. Statements verifying identity of above copies								
	•	the Invention of the Invention		ACCOMPANYING APPLICATION PARTS							
	-Brief Description of the Drawings (if filed) -Detailed Description				9. Assignment Papers (cover sheet & documents(s))						
-Cla	im(s) stract of the		10. 37 CFR 3.73(b) Statement Power of Attorney (when there is an assignee)								
4. Draw	wing(s) (35 t	J.S.C. 113) [Total Pages: 16]	11. English Translation Document (if applicable)								
5. Oath or Dec	laration	[Total Pages:]		12. Information Disclosure Copies of IDS Citations Statement (IDS)/PTO-1449							
	•	d (original or copy)	13. Preliminary Amendment								
		rior application (37 CFR 1.63 (d)) tion/divisional with Box 18 completed)	14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)								
i. [	DELE	TION OF INVENTOR(S)	15. Certified Copy of Priority Document(s)								
		statement attached deleting inventor(s) in the prior application, see 37 CFR	(if foreign priority is claimed)  16. Nonpublication Request under 35 U.S.C. 122								
	1.63(d)(	2) and 1.33(b)	(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.								
6. ∟. Д Арр	lication Data	Sheet. See 37 CFR 1.76	17. Other: Claim For Priority Letter, Information								
			Disclosure Sheet Under 37 CFR 1.56(a) w/refs., Credit Card Payment Form, Figs. 1-19								
		APPLICATION, check appropriate bo	x, and supp			d in a preliminary amendment,					
or in an Appl		a Sheet under 37 CFR 1.76:		(OID)	analisation Ma						
☐ Prior applicatio	Continuatio		uation-in-part	(CIP) of prior	application No.:						
For CONTINU	ATION OR I	DIVISIONAL APPS only: The entire disc	losure of the	prior application	, from which an oath o	declaration is supplied under					
Box 5b, is cor The incorpora	nsidered a p ition <u>can on</u>	art of the disclosure of the accompanying the relied upon when a portion has be	ng continuati en inadvertei	on or divisional a ntly omitted from	ipplication and is herel the submitted applicat	by incorporated by reference. ion parts.					
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□ Customer     □	Number	020457	020457		OR [	Correspondence address below					
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<u> </u>		<u> </u>	Telephone	/703\ 342 GG00	Code	(703) 312-6666					
Name Carl J. Brur		undidge	(703) 312-6600 Fax (703) 312-6666  Registration No. (Attorney/Agent) 29,621								
Signature	~			Date	September 10, 2003						

This collection of information is required by 37 CR 1.53(b), The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for naturing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mass Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



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EEE TOANGMITTAI	L	Complete if Known									
FEE TRANSMITTAL	4	Application Number									
for FY 2003	F	Filing Date			September 10, 2003						
101 F 1 2003	F	First Named Inventor			IWAMITSU, KOJI						
Effective 01/01/2003. Patent fees are subject to annual revision	, 6	Examiner Name									
	_	Art Unit	<del></del>								
Applicant claims small entity status. See 37 CFR 1.27	-			t No	500.43115X00						
TOTAL AMOUNT OF PAYMENT (\$) 750.00											
METHOD OF PAYMENT (check all that apply)	<b></b>	FEE CALCULATION (continued)									
☐ Check  ☐ Credit Card ☐ Money Order ☐ Other ☐ None	3. A	DDITIO Large	ONAL F	EES Small	· ·						
☑ Deposit Account:		Entity		Entity							
Describ Assessed Muselman 04 0425	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid					
Deposit Account Number 01-2135	Code	(Φ)	Code	(4)	ree bescription	recraid					
Deposit Account Name Antonelli, Terry, Stout & Kraus, LLP The Commissioner authorized to: (check all that apply)	1051	130	2051		urcharge - late filing fee or oath						
☐ Charge fees indicated below ☐ Credit any overpayments	1052	50	2052		urcharge – late provisional filing fee or over sheet						
Charge any additional fee(s) during the pendency of this	1053	130	1053		on-English specification						
application  Charge fees indicated below, except for the filing fee	1812		1812		or filing a request for ex parte reexamination						
to the above-identified deposit account.	1804	920*	1804		equesting publication of SIR prior to						
FEE CALCULATION	4005	4 040	1005		camination action						
1. BASIC FILING FEE	1805	1,840*	1805		equesting publication of SIR after caminer action						
Large Entity Small Entity Fee Fee Fee Fee Description Fee Paid	1251	110	2251	55 Ex	dension for reply within first month						
Code (\$) Code (\$)	1252	410	2252	205 Ex	dension for reply within second month						
1001 750 2001 375 Utility filing fee 750	1253	930	2253	465 Ex	tension for reply within third month						
1002 330 2002 165 Design filing fee	1254	1,450	2254	725 Ex	ktension for reply within fourth month						
1003 520 2003 260 Plant filing fee	1255	1,970	2255	985 Ex	ktension for reply within fifth month	_					
1004 750 2004 375 Reissue filing fee	1401	320	2401	160 No	otice of Appeal						
1005 160 2005 80 Provisional filing fee	1402		2402		ling a brief in support of an appeal						
SUBTOTAL (1) 750	1403		2403		equest for oral hearing						
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1451	1,510	1451		etition to institute a public use proceeding						
Fee from	1452		2452		etition to revive – unavoidable						
Extra Claims below Fee Paid	1453		2453		etition to revive – unintentional						
Total Claims 20 -20** = 0 x 0.00 = 0.00	1501	1,300	2501		tility issue fee (or reissue)						
Indep. $3 -3^{**} = 0 \times 0.00 = 0.00$	1502		2502		esign issue fee						
Claims Multiple Dependent 0.00 ≈ 0.00	1503		2503 1460		lant issue fee etitions to the Commissioner						
Multiple Dependent 0.00 ≈ 0.00	1406 1807		1807		rocessing fee under 37 CFR 1.17(q)						
Large Entity Small Entity	1806		1806		ubmission of Information Disclosure Stmt						
Fee Fee Fee Fee Description Code (\$) Code (\$)	8021		8021		ecording each patent assignment per						
1202 18 2202 9 Claims in excess of 20					roperty (times number of properties)						
1201 84 2201 42 Independent claims in excess of 3	1809	750	2809		iling a submission after final rejection 37 CFR § 1.129(a))						
1203 280 2203 140 Multiple dependent claim, if not paid	1810	750	2810	375 F	each additional invention to be mined (37 CFR § 1.129(b))						
1204 84 2204 42 ** Reissue independent claims	1801	750	2801		equest for Continued Examination (RCE)						
over original patent	1802		1802		equest for expedited examination						
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	Otho	of a design application Other fee (specify)									
SUBTOTAL (2) \$ 0.00	Cine	i iee (sh	cony)								
**or number previously paid, if greater; For Reissues, see above.		*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00									
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SOBWITTED BY	tration N	0	T-	Complete (if applicable)							
Name (Print/Type) Carl I. Brundidge		(Attorney/Agent)			29,621 Telephone 703-313	2-6600					

Date

09/10/2003

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